

FLIGHT TEST PROGRAM

FOR

SPECIAL EQUIPMENT PACKAGE

STATINTL

(Project )

Document 100

This report is divided into four parts, as follows:

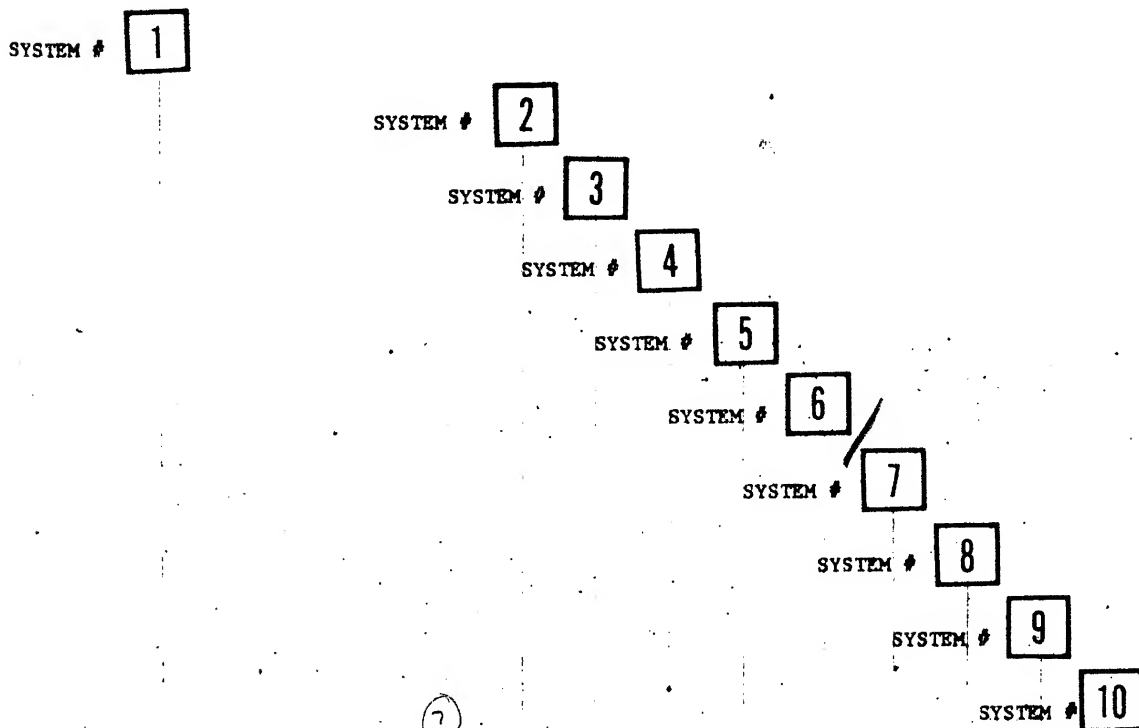
- A) Equipment Delivery and Flight Test Schedule
- B) Flight Test Program
- C) Personnel
- D) Facilities

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A. EQUIPMENT DELIVERY AND FLIGHT TEST SCHEDULE



B. FLIGHT TEST PROGRAM

The flight test program will concern itself with all areas of support for the special equipment packages during operation at the test site.

This will consist of two general areas of support. The first, "In-plant M & O Product Improvement", will provide the following:

1. In-plant maintenance and overhaul of equipment.
 - a. Inspection of equipment.
 - b. Rework and repair as required.
 - c. Final check-out and test prior to return of equipment to operational status.
2. Product Improvement.
 - a. Analysis of test results and operational procedures.
 - b. Recommend system modifications to improve performance.
 - c. Initiate system modification as required or as requested by field personnel.
 - d. Continued analysis and evaluation of components.
3. Technical Training Program.
 - a. Training of technical personnel for all phases of operation.
 - b. Continued education of technical personnel in new developments in area of activity.
 - c. Supply of technical publications, or modification bulletins to field personnel and customer.
4. Project Direction and Control.
 - a. Continued direction of technical personnel and administrative support group.

What administrative support group?

- b. Maintenance of organization procedures and policy. *ms'*
- c. Maintenance of plant and property control.

The second area of support will be the field activity itself, and will provide:

1. Flight-line operation.

- a. Preparation, check-out and test of system prior to flight.
- b. Installation of equipment in vehicle.
- c. Final pre-flight check-out.

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Flight
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2. Maintenance.

- a. Preventive maintenance of system
- b. Maintenance and overhaul as field facilities and conditions will permit.

3. Evaluation and Product Control.

- a. Analysis of flight test results and operational procedures.
 - 1. Test Specifications.
 - 2. Data Reduction.
 - 3. Evaluation.
- b. Recommend system modifications to improve performance.
- c. Direct system modification by maintenance group in the field if feasible.
- d. Direct support personnel in home plant to institute system modification.

*#2 Needs
Review
Classification*

4. Material (By others?)

- a. Storage and Logging.
- b. Handling (Loading).
- c. Processing.
- d. Evaluation

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Material*

- e. Liaison with Material Supplier.

C. PERSONNEL

This section will describe the personnel organization proposed for the field activity, and shall not include the in-plant support group.

The field group must provide sufficient talents for:

Flight-Line Operation

Maintenance

Evaluation and Product Control

Material Handling, Processing, etc.

Support Equipment Maintenance and Application

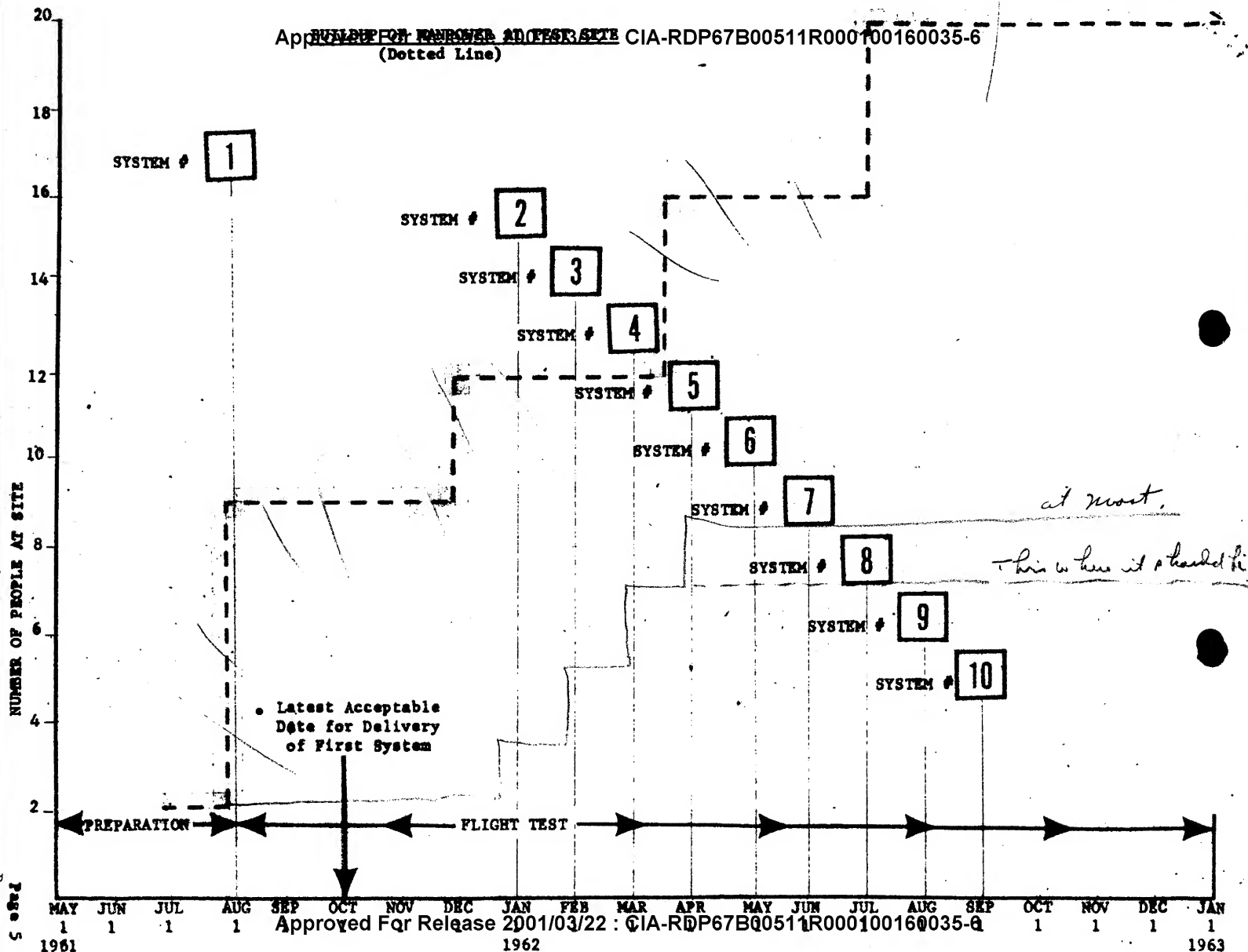
STATINTL It is anticipated that the size of the group will increase as more systems are delivered to the test site. The maximum organization will involve [REDACTED] as follows:

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The buildup of this manpower is shown on the following page.
In addition, special engineering talents will be made available as required.

* By others?

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D. FACILITIES

The required facilities at the test site can be broken down into five sections, as follows:

1. Material -

This will require air-conditioned space for storage.

2. Processing -

This will require air-conditioned space for a sizeable dark room and large processing equipment (if employed).

3. Evaluation -

This will require air-conditioned space for film viewing equipment, film rewinds, office equipment, etc.

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4. Flight Line Operations -

This will require air-conditioned space for check-out and loading. It must accomodate at least one system, all the pertinent handling and test equipment, such as collimator, check-out consoles, desiccators, power cart, etc. and provide sufficient space for personnel to adequately perform their tasks.

5. Maintenance -

This will require air-conditioned space to store all systems and support equipment. In addition it must provide areas for maintenance personnel and equipment.

The total required space is estimated at 5000 square feet.